

Transverse Damper

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- **Specs**
- **Location**
- **Plan**

Specs

Why?

- * maintain small emittance**
- * avoid losses/improve transmission**
- * prevent beam dump/permit pulls**
- * support polarization transport**

What?

- * Injection Damping**
- * Instability Damping (during ramp)**
- * Bunch-by-bunch**
=> linear Amplifier

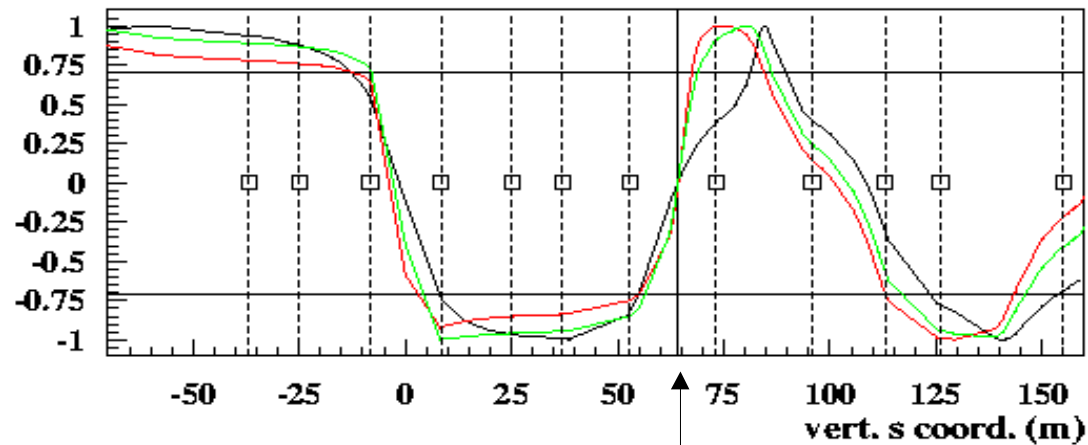
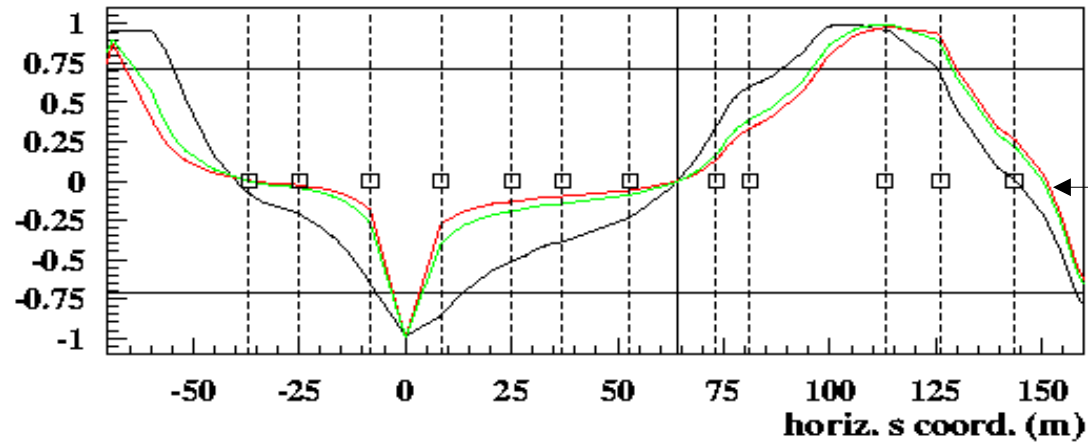
Plan

- * Split tunemeter kicker and use 2m of kickers**
- * need 8 amplifiers (4 per ring)**
- * beta function varies with optics**
 - => use dedicated BPM in 2 o'clock area**
- * modify/upgrade AGS damper**
- * install this year**

Location

YELLOW

black: inj.
green: 3m
red: 1m @ IR8

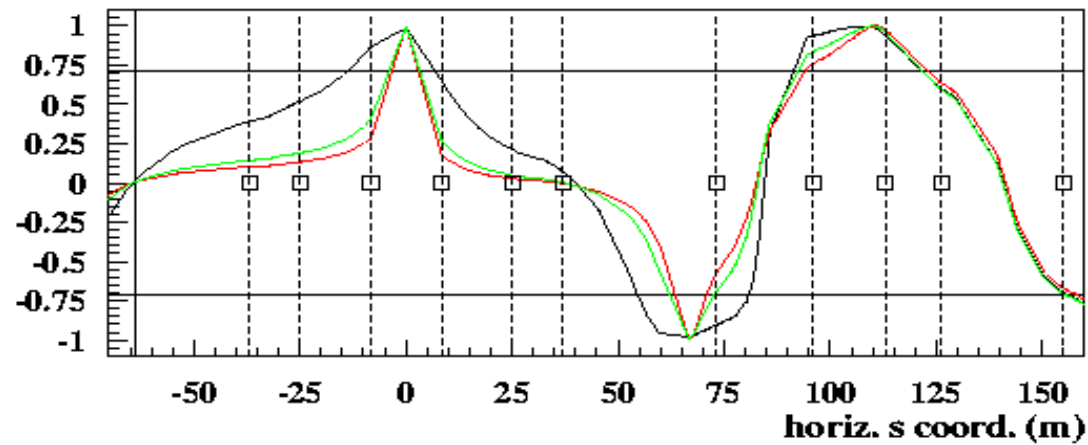


kicker

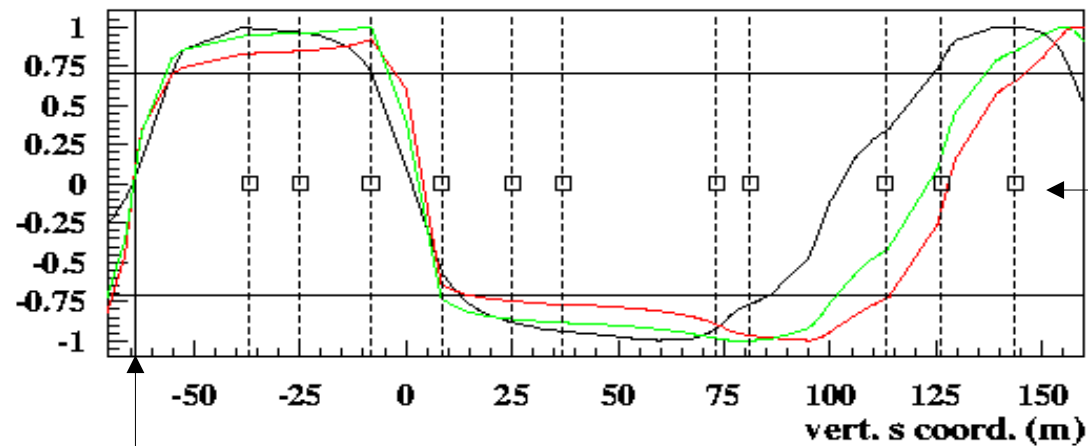
Location

black: inj.
green: 3m
red: 1m @ IR8

BLUE



← BPM



← BPM

↑
kicker